

w. moore

Re-run

7/4 Page 1 of 7



RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/041,054

DATE: 08/12/2002
TIME: 10:44:13

Input Set : A:\Sequence Listing.txt
Output Set: N:\CRF3\08122002\J041054.raw

3 <110> APPLICANT: Andrade-Gordon, Patricia
4 Darrow, Andrew
5 Qi, Jian-shen
7 <120> TITLE OF INVENTION: DNA encoding the novel human serine
8 protease T
10 <130> FILE REFERENCE: ORT-1032
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/041,054
C--> 13 <141> CURRENT FILING DATE: 2002-01-07
15 <160> NUMBER OF SEQ ID NOS: 11
17 <170> SOFTWARE: PatentIn Ver. 2.0
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 1110
21 <212> TYPE: DNA
22 <213> ORGANISM: Homo sapiens
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26 tcctgtgtct gctgtttt gggtctcaga gggccaaggc agcaacagcc tgtgtcgcc 120
27 ccaggatgtct gaaccgaatg gtggcgccggc aggacacgcgca ggaggcgag tggccctggc 180
28 aagttagcat ccagcgcaac ggaagccact tctgcgggggg cagcctcatc gcggagcagt 240
29 gggtcctgac ggctgcgcac tgcttcgcac acacctctga gacgtccctg taccagggtcc 300
30 tgctgggggc aaggcagcta gtgcagccgg gaccacacgc tatgtatgcc cgggtgaggc 360
31 agtgtggagag caaccctctg taccaggcgca cggcctccag cgctgacgtg gccctgggtgg 420
32 agctggaggc accagtgcac ttccaccaatt acatccccc cgtgtgcctg cctgaccct 480
33 cgggtatctt tgagacgggc atgaactgtct gggtaactgg ctggggcagc cccagtggagg 540
34 aagacctcct gcccgaaccg cggatcctgc agaaactcgc tgcgtccatc atcgacacac 600
35 ccaagtgcac cctgctctac agcaaagaca ccgagtttgg ctaccaacacc aaaaccatca 660
36 agaatgacat gctgtgcgc ggttcgagg agggcaagaa gtatgcctgc aagggcgact 720
37 cgggcggccc cctgggtgtc ctctgggtc agtcgtggct gcaggcgggg gtgatcagct 780
38 ggggtgaggg ctgtgcccgc cagaaccgc caggtgtcta catccgtgtc accgcccacc 840
39 acaactggat ccatacgatc atccccaaac tgcagttcca gccagcgagg ttggcgcc 900
40 agaagtgaga ccccccgggc caggagcccc ttgagcagag ctctgcaccc agcctgccc 960
41 cccacaccat cctgctggtc ctcccgacgc tgctgttgca cctgtgagcc ccaccagact 1020
42 catttgtaaa tagcgctctt tcctccctc tcaaataccc ttatttatt tatgtttctc 1080
43 ccaataaaaa cccagcctgt gtgccagctg 1110
45 <210> SEQ ID NO: 2
46 <211> LENGTH: 20
47 <212> TYPE: DNA
48 <213> ORGANISM: Artificial Sequence
50 <220> FEATURE:
51 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer
53 <400> SEQUENCE: 2
54 gccaggcctg aggacatgag 20
56 <210> SEQ ID NO: 3

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57 <211> LENGTH: 20
58 <212> TYPE: DNA
59 <213> ORGANISM: Artificial Sequence
61 <220> FEATURE:
62 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer
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69 <212> TYPE: DNA
70 <213> ORGANISM: Artificial Sequence
72 <220> FEATURE:
73 <223> OTHER INFORMATION: Description of Artificial Sequence: Nested probe
75 <400> SEQUENCE: 4
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79 <211> LENGTH: 30
80 <212> TYPE: DNA
81 <213> ORGANISM: Artificial Sequence
83 <220> FEATURE:
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86 <400> SEQUENCE: 5
87 aggatctaga ggagggcgag tggccctggc 30
89 <210> SEQ ID NO: 6
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92 <213> ORGANISM: Artificial Sequence
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101 <211> LENGTH: 290
102 <212> TYPE: PRT
103 <213> ORGANISM: Homo sapiens
105 <400> SEQUENCE: 7
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109 Ser Gln Arg Ala Lys Ala Ala Thr Ala Cys Gly Arg Pro Arg Met Leu
110 20 25 30
112 Asn Arg Met Val Gly Gly Gln Asp Thr Gln Glu Gly Glu Trp Pro Trp
113 35 40 45
115 Gln Val Ser Ile Gln Arg Asn Gly Ser His Phe Cys Gly Gly Ser Leu
116 50 55 60
118 Ile Ala Glu Gln Trp Val Leu Thr Ala Ala His Cys Phe Arg Asn Thr
119 65 70 75 80
121 Ser Glu Thr Ser Leu Tyr Gln Val Leu Leu Gly Ala Arg Gln Leu Val
122 85 90 95
124 Gln Pro Gly Pro His Ala Met Tyr Ala Arg Val Arg Gln Val Glu Ser

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| | | | |
|-----|---|-----|-----|
| 125 | 100 | 105 | 110 |
| 127 | Asn Pro Leu Tyr Gln Gly Thr Ala Ser Ser Ala Asp Val Ala Leu Val | | |
| 128 | 115 | 120 | 125 |
| 130 | Glu Leu Glu Ala Pro Val Pro Phe Thr Asn Tyr Ile Leu Pro Val Cys | | |
| 131 | 130 | 135 | 140 |
| 133 | Leu Pro Asp Pro Ser Val Ile Phe Glu Thr Gly Met Asn Cys Trp Val | | |
| 134 | 145 | 150 | 155 |
| 136 | Thr Gly Trp Gly Ser Pro Ser Glu Glu Asp Leu Leu Pro Glu Pro Arg | | |
| 137 | 165 | 170 | 175 |
| 139 | Ile Leu Gln Lys Leu Ala Val Pro Ile Ile Asp Thr Pro Lys Cys Asn | | |
| 140 | 180 | 185 | 190 |
| 142 | Leu Leu Tyr Ser Lys Asp Thr Glu Phe Gly Tyr Gln Pro Lys Thr Ile | | |
| 143 | 195 | 200 | 205 |
| 145 | Lys Asn Asp Met Leu Cys Ala Gly Phe Glu Glu Gly Lys Lys Asp Ala | | |
| 146 | 210 | 215 | 220 |
| 148 | Cys Lys Gly Asp Ser Gly Gly Pro Leu Val Cys Leu Val Gly Gln Ser | | |
| 149 | 225 | 230 | 235 |
| 151 | Trp Leu Gln Ala Gly Val Ile Ser Trp Gly Glu Gly Cys Ala Arg Gln | | |
| 152 | 245 | 250 | 255 |
| 154 | Asn Arg Pro Gly Val Tyr Ile Arg Val Thr Ala His His Asn Trp Ile | | |
| 155 | 260 | 265 | 270 |
| 157 | His Arg Ile Ile Pro Lys Leu Gln Phe Gln Pro Ala Arg Leu Gly Gly | | |
| 158 | 275 | 280 | 285 |
| 160 | Gln Lys | | |
| 161 | 290 | | |
| 164 | <210> SEQ ID NO: 8 | | |
| 165 | <211> LENGTH: 1130 | | |
| 166 | <212> TYPE: DNA | | |
| 167 | <213> ORGANISM: Artificial Sequence | | |
| 169 | <220> FEATURE: | | |
| 170 | <223> OTHER INFORMATION: Description of Artificial Sequence: Fusion gene of | | |
| 171 | Protease T in a zymogen activation vector | | |
| 173 | <400> SEQUENCE: 8 | | |
| 174 | gaattcacca ccatggacag caaaggttcg tcgcagaaat cccgcctgct cctgctgctg 60 | | |
| 175 | gtgggtgtcaa atctactt ttgtcccggt gtggctccg actacaagga cgacgacgac 120 | | |
| 176 | gtggacgccc cccgccttgc tgcccccttt gatgatgatg acaagatcgt tgggggctat 180 | | |
| 177 | gctctagagg agggcgagtg gcccctggcaa gtcagcatcc agcgcacccgg aaggccacttc 240 | | |
| 178 | tgcgggggca gcctcatcgc ggagcagtgg gtcctgacgg ctgcgcactg cttccgcaac 300 | | |
| 179 | acctctgaga cgtccctgtt ccagggtccgg ctgggggcaaa ggcagctagt gcagccggaa 360 | | |
| 180 | ccacacgcta tgtatccccg ggtgaggcag gtggagagca accccctgtt ccagggcacc 420 | | |
| 181 | gcctcccgct ctgacgtggc cctgggtggag ctggaggcac cagtgcctt cacaattac 480 | | |
| 182 | atcctcccg tgcgtgttgc ttgatccctcg gtgatcttg agacggggcat gaactgctgg 540 | | |
| 183 | gtcaactggct gggcagccc cagtggggaa gacccctgc ccgaaccggc gatccctgcag 600 | | |
| 184 | aaactcgctg tgcccatcat cgacacaccc aagtgcacc tgctctacag caaagacacc 660 | | |
| 185 | gagtttggct accaacccaa aaccatcaag aatgacatgc tgcgtggccgg cttcgaggag 720 | | |
| 186 | ggcaagaagg atgcgtgca gggcgactcg ggcggccccc tggtgtgcct cgtgggtcag 780 | | |
| 187 | tgcgtggctgc aggccccccgt gatcgtgg ggtgagggtt gtgcggccca gaaccggccca 840 | | |
| 188 | ggtgtctaca tccgtgtcac cggccaccac aactggatcc atcggatcat ccccaaactg 900 | | |
| 189 | cagttccagc cagcgagggtt gggcgccag aagtctagac atcaccatca ccatcactag 960 | | |

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190 cggccgccttc ccttttgtga gggtaatgc ttcgagcaga catgataaga tacattgtg 1020
 191 agtttggaca aaccacaact agaatgcagt gaaaaaaatg cttaatttgt gaaatttg 1080
 192 atgctattgc ttatgttaccattataa gctgcaataa acaagttgac 1130
 194 <210> SEQ ID NO: 9
 195 <211> LENGTH: 315
 196 <212> TYPE: PRT
 197 <213> ORGANISM: Artificial Sequence
 199 <220> FEATURE:
 200 <223> OTHER INFORMATION: Description of Artificial Sequence: Fusion Protein
 201 of Protease T in a zymogen activation construct
 203 <400> SEQUENCE: 9
 204 Met Asp Ser Lys Gly Ser Ser Gln Lys Ser Arg Leu Leu Leu Leu Leu
 205 1 5 10 15
 207 Val Val Ser Asn Leu Leu Leu Cys Gln Gly Val Val Ser Asp Tyr Lys
 208 20 25 30
 210 Asp Asp Asp Asp Val Asp Ala Ala Leu Ala Ala Pro Phe Asp Asp
 211 35 40 45
 213 Asp Asp Lys Ile Val Gly Gly Tyr Ala Leu Glu Glu Gly Glu Trp Pro
 214 50 55 60
 216 Trp Gln Val Ser Ile Gln Arg Asn Gly Ser His Phe Cys Gly Gly Ser
 217 65 70 75 80
 219 Leu Ile Ala Glu Gln Trp Val Leu Thr Ala Ala His Cys Phe Arg Asn
 220 85 90 95
 222 Thr Ser Glu Thr Ser Leu Tyr Gln Val Leu Leu Gly Ala Arg Gln Leu
 223 100 105 110
 225 Val Gln Pro Gly Pro His Ala Met Tyr Ala Arg Val Arg Gln Val Glu
 226 115 120 125
 228 Ser Asn Pro Leu Tyr Gln Gly Thr Ala Ser Ser Ala Asp Val Ala Leu
 229 130 135 140
 231 Val Glu Leu Glu Ala Pro Val Pro Phe Thr Asn Tyr Ile Leu Pro Val
 232 145 150 155 160
 234 Cys Leu Pro Asp Pro Ser Val Ile Phe Glu Thr Gly Met Asn Cys Trp
 235 165 170 175
 237 Val Thr Gly Trp Gly Ser Pro Ser Glu Glu Asp Leu Leu Pro Glu Pro
 238 180 185 190
 240 Arg Ile Leu Gln Lys Leu Ala Val Pro Ile Ile Asp Thr Pro Lys Cys
 241 195 200 205
 243 Asn Leu Leu Tyr Ser Lys Asp Thr Glu Phe Gly Tyr Gln Pro Lys Thr
 244 210 215 220
 246 Ile Lys Asn Asp Met Leu Cys Ala Gly Phe Glu Glu Gly Lys Lys Asp
 247 225 230 235 240
 249 Ala Cys Lys Gly Asp Ser Gly Gly Pro Leu Val Cys Leu Val Gly Gln
 250 245 250 255
 252 Ser Trp Leu Gln Ala Gly Val Ile Ser Trp Gly Glu Gly Cys Ala Arg
 253 260 265 270
 255 Gln Asn Arg Pro Gly Val Tyr Ile Arg Val Thr Ala His His Asn Trp
 256 275 280 285
 258 Ile His Arg Ile Ile Pro Lys Leu Gln Phe Gln Pro Ala Arg Leu Gly
 259 290 295 300

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Input Set : A:\Sequence Listing.txt
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261 Gly Gln Lys Ser Arg His His His His His
262 305 310 315
264 <210> SEQ ID NO: 10
265 <211> LENGTH: 4
266 <212> TYPE: PRT
267 <213> ORGANISM: Artificial Sequence
269 <220> FEATURE:
270 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide substrate
272 <400> SEQUENCE: 10
273 Ala Ala Pro Phe
275 <210> SEQ ID NO: 11
276 <211> LENGTH: 4
277 <212> TYPE: PRT
278 <213> ORGANISM: Artificial Sequence
280 <220> FEATURE:
281 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide substrate
283 <400> SEQUENCE: 11
284 Ala Ala Pro Val

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/041,054

DATE: 08/12/2002

TIME: 10:44:15

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF3\08122002\J041054.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date